

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
**(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.  
**RGP-0122**

In Re Application: Marali Sethumadhaven et al.

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/663,375	September 16, 2003	C. Lam	23413	1775	1622

**Title: LIQUID CRYSTALLINE POLYMER COMPOSITES, METHOD OF MANUFACTURE THEREOF, AND ARTICLES FORMED THEREFROM**

## **Payment of Fee**

**(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))**

- A check in the amount of \_\_\_\_\_ is attached.

The Director is hereby authorized to charge and credit Deposit Account No. 06-1130 as described below.

  - Charge the amount of \$180.00
  - Credit any overpayment.
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January 19, 2005

(Date) 

**Signature of Person Mailing Correspondence**

Sonja Mancini

**Typed or Printed Name of Person Mailing Certificate**

**\*This certificate may only be used if paying by deposit account.**

Signature

Dated: January 19, 2005

Leah M. Reimer

Registration No. 39 341

Customer No. 23413

(860) 286-2929

RESPECTS CHARGE CONSIDERATION OF THE  
REMARKS OF MR. BROWN

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878-223-34

CC:

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
**(Under 37 CFR 1.97(b) or 1.97(c))**

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Title: LIQUID CRYSTALLINE POLYMER COMPOSITES, METHOD OF MANUFACTURE THEREOF,  
AND ARTICLES FORMED THEREFROM

Address to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1.  The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2.  The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

the statement specified in 37 CFR 1.97(e);

OR

the fee set forth in 37 CFR 1.17(p).

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Murali Sethumadhavan, et al. )  
Serial No.: 10/663,375 ) Group Art Unit: 1775  
Filing Date: 09/16/2003 )  
For: LIQUID CRYSTALLINE POLYMER )  
COMPOSITES, METHOD OF MANUFACTURE )  
THEREOF, AND ARTICLES FORMED )  
THEREFROM )

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §§ 1.56, 1.97 AND 1.98**

Sir:

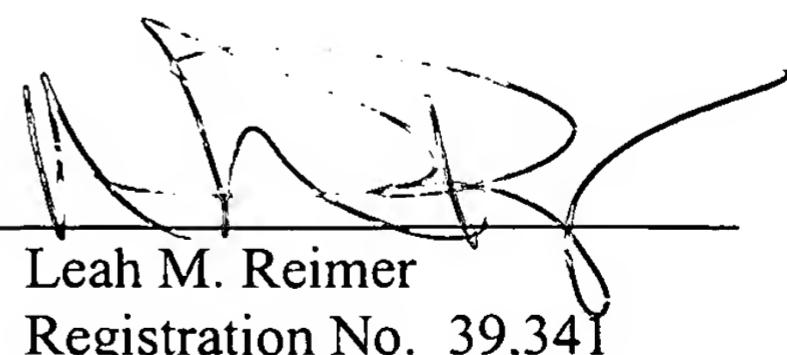
In compliance with the duty to disclose, submitted herewith is form PTO-A820 (PTO-1449) listing publication(s) of which those designated by 37 CFR § 1.56 are aware. Copies of the non-United States patents or published applications are enclosed.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or an admission that the information cited is, or is considered to be, material to patentability.

Respectfully submitted,

CANTOR COLBURN LLP

By: \_\_\_\_\_

  
Leah M. Reimer  
Registration No. 39,341

Date: January 19, 2005  
Customer No.: 23413  
Telephone: (860) 286-2929

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>			ATTY DOCKET NO.	APPLICATION NO.		
			RGP-0122	10/663,375		
			APPLICANT(S)			
			Sethumadhaven et al.			
FILING DATE	GROUP ART UNIT					
September 16, 2003	1775					

JAN 21 2005

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
1	3,240,662	03/15/1966	Smyers et al.			01/23/1961
2	3,526,568	09/01/1970	Kepple et al.			06/11/1969
3	4,737,398	04/12/1988	Ikenaga et al.	428	216	11/26/1985
4	4,871,595	10/03/1989	Lusignea et al.	428	1	12/16/1986
5	4,963,428	10/16/1990	Harvey et al.	428	220	06/13/1988

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
6		JP 2001-244630	07.09.2001	Japan			✓	
7		JP 11309803	09.11.1999	Japan				✓
8		EP 0949067 A2	13.10.1999	Europe				✓
9		EP 0740013 A1	30.10.1996	Europe				✓
10		CA 2273542	23.12.1999	Canada				✓

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	11	Japanese Patent Application No. JP11309803; Publication Date: 1999-11-09; Abstract Only; 1 page
	12	"Rogers ZYVEX Liquid Crystalline Polymer Circuit Material", Rogers Corporation, Data Sheet, February 27, 2002, 2 pages

EXAMINER	DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

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APPLICATION NO.

10/663,375

Sethumadhaven et al.

FILING

September 16, 2003

GROUP ART

1775

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	13	4,966,806	10/30/1990	Lusignea et al.	428	220	06/14/1988
	14	5,164,458	11/17/1992	Jennings et al.	525	389	09/28/1989
	15	5,288,529	02/22/1994	Harvey et al.	428	1	12/12/1991
	16	5,360,647	11/01/1994	Sumida	428	1	05/28/1992
	17	5,360,672	11/01/1994	Saito et al.	428	480	04/08/1992

## U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	18	"Vectra, Liquid Crystal Polymer (LCP)", Ticona Product Brochure, 20 pages

EXAMINER	DATE CONSIDERED
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FILING September 16, 2003				GROUP ART 1775			
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	19	5,571,608	11/05/1996	Swamy	428	246	09/05/1995
	20	5,571,609	11/05/1996	St. Lawrence et al.	428	268	10/13/1994
	21	5,709,957	01/20/1998	Chiang et al.	428	615	09/16/1996
	22	5,900,292	05/04/1999	Moriya	428	1	07/11/1997
	23	5,904,797	05/18/1999	Kwei	156	307.3	07/22/1997
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>							
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
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**Sethumadhaven et al.**

FILING

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GROUP ART

**1775**

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
24		6,124,004	09/26/2000	Furuta et al.	428	1.1	03/19/1998
25		6,140,410	10/31/2000	Kolouch	524	520	07/13/1998
26		6,166,138	12/26/2000	Kolouch	525	166	07/13/1998
27		US 6,287,702 B1	09/11/2001	Kolouch	428	463	03/23/2000
28		US 6,312,814 B1	11/06/2001	Kolouch	428	421	07/13/1998

**U.S. PATENT APPLICATION PUBLICATIONS**

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**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*


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				FILING September 16, 2003	GROUP ART 1775		
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
29		U.S 6,593,255 B1	07/15/2003	Lawton et al.	442	59	11/03/2000
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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